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INDEX TO AMERICAN BOTANICAL LITERATURE

1914-1918

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Appleman, C. O. Physiological basis for the preparation of potatoes for seed. Maryland Agr. Exp. Sta. Bull. 212: 80-102. f. 1-11. F 1918.

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Beardslee, H. C. Michigan collections of Myxomycetes. Ann. Rep. Michigan Acad. Sci. 19: 159-162. 1917.

Berry, E. W. Notes on the fern genus *Clathropteris*. Bull. Torrey Club 45: 279-285. f. 1, 2. 9 Au 1918.

Bessey, E. A. The phylogeny of the grasses. Ann. Rep. Michigan Acad. Sci. 19: 239-245. 1917.

Britton, E. G. Musci. In Britton, N. L., Flora of Bermuda, 430-448. 28 F 1918. [Illust.]

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Includes contributions by Britton, E. G., Evans, A. W., Riddle, L. W., Seaver, F. J., and Howe, M. A., here indexed separately.

- Brown, F. B. H.** Flora of a Wayne County salt marsh. Ann. Rep. Michigan Acad. Sci. **19**: 219. 1917.
- Brown, F. B. H.** The forest associations of Wayne County, Michigan. Ann. Rep. Michigan Acad. Sci. **19**: 209-217. 1917.
- Burkholder, W. H.** The production of an anthracnose-resistant white marrow bean. Phytopathology **8**: 353-359. 17 Jl 1918.
- Burnham, S. H.** The flora of Indian Ladder and vicinity: together with descriptive notes on the scenery. Torreyia **18**: 101-116. f. 1-5. Je 1918; 127-149. f. 6-9. 15 Au 1918.
- Coker, W. C.** The lactarias of North Carolina. Jour. Elisha Mitchell Sci. Soc. **34**: 1-61. pl. 1-40. Je 1918.
Lactarius Allardii, *L. subterminosus*, *L. furcatus*, *L. coleopteris*, *L. Curtisii*, *L. subplinthogalus*, and *L. lentus*, spp. nov., are described.
- Conzatti, C.** Exploracion botanica por la Costa Meridional de Oaxaca. Bol. Dir. Est. Biol. **2**: 309-319. 1918. [Illust.]
- Cook, M. T., & Martin, W. H.** Leaf blight of the tomato. New Jersey Agr. Sta. Circ. 96: [1-4]. 1 Ap 1918.
- Dodge, B. O.** Studies in the genus *Gymnosporangium*—II. Report on cultures made in 1915 and 1916. Bull. Torrey Club **45**: 287-300. pl. 8. 9 Au 1918.
- Dodge, C. K.** Contributions to the botany of Michigan. Univ. Michigan Mus. Zoo. Misc. Publ. **4**: 1-14. 23 F 1918.
- Edson, H. A., & Shapovalov, M.** Potato-stem lesions. Jour. Agr. Research **14**: 213-220. pl. 24-26. 29 Jl 1918.
- East, E. M., & Park, J. B.** Studies on self-sterility—II. Pollen-tube growth. Genetics **3**: 353-366. f. 1-3. Jl 1918.
- Evans, A. W.** Hepaticae. In Britton, N. L., Flora of Bermuda. 448-469. 28 F 1918. [Illust.]
- Farwell, O. A.** New species and varieties from Michigan. Ann. Rep. Michigan Acad. Sci. **19**: 247-249. 1917.
- Farwell, O. A.** Rare or interesting plants in Michigan. Ann. Rep. Michigan Acad. Sci. **19**: 251-261. 1917.
- Fernald, H. T.** The pine blister rust. Month. Bull. State Comm. Hort. Calif. **7**: 451-453. f. 60, 61. Jl 1918.
- Fernald, M. L.** The American representatives of *Equisetum sylvaticum*. Rhodora **20**: 129-131. 22 Jl 1918.
- Fernald, M. L.** *Carex pauperula* Michx., var. *brevisquama*, n. var. Rhodora **20**: 152. 1 Au 1918.
- Fernald, M. L.** Some allies of *Rynchospora macrostachya*. Rhodora **20**: 138-140. 1 Au 1918.

- Fernald, M. L.** The specific identity of *Bidens hyperborea* and *B. colpophila*. *Rhodora* **20**: 146-150. 1 Au 1918.
- Fernald, M. L., & Wiegand, K. M.** Some new species and varieties of *Poa* from eastern North America. *Rhodora* **20**: 122-127. 22 Jl 1918.
Includes *Poa saltuensis* and *P. paludigena*, spp. nov.
- Gardner, N. L.** New Pacific coast marine algae—II. Univ. Calif. Publ. Bot. **6**: 429-454. *pl.* 36, 37. 16 Jl 1918.
Includes new species in *Chlorogloea* (1), *Xenococcus* (1), *Dermocarpa* (4), *Hyella* (3), and *Radaisia* (4).
- Gladwin, F. E.** A non-parasitic malady of the vine. New York Agr. Exp. Sta. Bull. 449: 99-110. *pl.* 1-3. Mr 1918.
- Goodspeed, T. H., & Davidson, P.** Controlled pollination in *Nicotiana*. Univ. Calif. Publ. Bot. **5**: 429-434. 10 Au 1918.
- Harris, J. A.** Further illustrations of the applicability of a coefficient measuring the correlation between a variable and the deviation of a dependent variable from its probable value. *Genetics* **3**: 328-352. Jl 1918.
- Harter, L. L.** A hitherto-unreported disease of okra. Jour. Agr. Research **14**: 207-212. *pl.* 23 + *f.* 1-3. 29 Jl 1918.
- Harvey, L. H.** Intra-microsporangial development of the tube in the microspore of *Pinus sylvestris*. Ann. Rep. Michigan Acad. Sci. **19**: 333-335. *f.* 16, 17. 1917.
- Harvey, L. H.** Polyembryony in *Quercus alba*. Ann. Rep. Michigan Acad. Sci. **19**: 329-331. 1917.
- Hibbard, R. P.** Physiological balance in the soil solution. Ann. Rep. Michigan Acad. Sci. **19**: 163-166. 1917.
- Hillman, F. H.** The agricultural species of bent grasses. Part II. The seeds of redtop and other bent grasses. U. S. Dept. Agr. Bull. 692: 15-26. *f.* 3-11. 23 Jl 1918.
- Howe, M. A.** Algae. In Britton, N. L., Flora of Bermuda, 489-540. 28 F 1918.
Includes descriptions of *Boodlea struveoides*, *Dasya Collinsiana*, *Callithamnion Herveyi*, *Seirospora purpurea*, *Ceramium leptozonum*, and *Nemastoma gelatinosum*, spp. nov., and new combinations, *Zonaria zonalis*, *Gracilaria mammillaris*, *Laurencia Corallopsis*, and *Ptilothamnion bipinnatum*.
- Jackson, H. S.** The Uredinales of Oregon. Brooklyn Bot. Gard. Mem. **1**: 198-297. 6 Jl 1918.
New species are described in *Coleosporium* (1), *Melampsora* (1), *Milesia* (1), *Puccinia* (4), and *Uromyces* (1).

- Kauffman, C. H.** Unreported Michigan fungi for 1915 and 1916, with an index to the hosts and substrata of Basidiomycetes. Ann. Rep. Michigan Acad. Sci. **19**: 145-157. 1917.
- Kirkwood, J. E.** The conifers of the northern Rockies. Dep. Int. Bur. Ed. Bull. **53**: 1-61. *f.* 1-37. 1918.
- Kirkwood, J. E.** A Mexican hacienda. Nat. Geog. Mag. 536-584. My 1914. [Illust.]
Contains some botanical information.
- Kitchin, P. C.** The effect upon the growth of some coniferous seedlings of various conditions of shade and moisture. Ann. Rep. Michigan Acad. Sci. **19**: 337-356. *pl.* 17-23. 1917.
- Krakover, L. J.** The leaf-spot disease of red clover caused by *Macrosporium sarcinaeforme* Cav. Ann. Rep. Michigan Acad. Sci. **19**: 275-328. *pl.* 12-16 + *f.* 14, 15. 1917.
- Levine, M. N., & Stakman, E. C.** A third biologic form of *Puccinia graminis* on wheat. Jour. Agr. Research **13**: 651-654. 17 Je 1918.
- Macbride, J. F.** A new *Perezia* adventive in Massachusetts. Rhodora **20**: 150-152. 1 Au 1918.
- Macbride, J. F.** A new species of bladdernut. Rhodora **20**: 127-129. 22 Jl 1918.
Staphylea Brighamii sp. nov.
- MacCaughey, V.** The Hawaiian Lehua. Am. Forestry **24**: 409-418. Jl 1918. [Illust.]
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- Marsh, C. D.** Stock-poisoning plants of the range. U. S. Dept. Agr. Bull. 575: 1-24. *pl.* 1-30. 23 Jl 1918.
- Martin, W. H.** Dissemination of *Septoria lycopersici* Speg. by insects and pickers. Phytopathology **8**: 365-372. 17 Jl 1918.
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Includes *Polystichum alaskense* sp. nov.
- McKee, R.** Purple vetch. U. S. Dept. Agr. Farm. Bull. 967: 1-12. *f.* 1-8. Je 1918.

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- Riddle, L. W.** Lichens. In Britton, N. L. Flora of Bermuda, 470-479. 28 F 1918.
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- Rugg, H. G.** A Vermont fern garden 8: 50-52. 6 Au 1918.
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- Sax, K.** The behavior of the chromosomes in fertilization. Genetics 3: 309-327. *pl.* 1, 2. Jl 1918.
- Seaver, F. J.** Fungi. In Britton, N. L., Flora of Bermuda, 489-540. 28 F 1918.
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- Stakman, E. C., Parker, J. H., & Piemeisel, F. J.** Can biologic forms of stemrust on wheat change rapidly enough to interfere with breeding for rust resistance? Jour. Agr. Research 14: 111-124. *pl.* 13-17. 1918.
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- Taylor, N.** Effects of the severe winter on the woody plants in the Garden. Brooklyn Bot. Gard. Rec. 7: 83-87. Jl 1918.
- Teesdale, C. H., & MacLean, J. D.** Tests of the absorption and penetration of coal tar and creosote in longleaf pine. U. S. Dept. Agr. Bull. 607: 1-42. *pl.* 1-11 + *f.* 1-14. 7 Je 1918.
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